

L Number	Hits	Search Text	DB	Time stamp
79	703	(amplif\$5 with voltage\$1) and ((offset\$4 or (off adj set\$5) or (window adj comparator\$1))) and (range or ranges) and ((adder\$1 or addition) with subtract\$4)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/20 12:21
80	157	(amplif\$5 with voltage\$1) and ((offset\$4 or (off adj set\$5) or (window adj comparator\$1))) and (range or ranges) and ((adder\$1 or addition) with subtract\$4 with voltage\$1)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/20 10:21
81	8	(amplif\$5 with voltage\$1) and ((offset\$4 or (off adj set\$5) or (window adj comparator\$1))) and (range or ranges) and ((adder\$1 or addition) with subtract\$4 with voltage\$1) and (pressure\$1 with (detect\$4 or sensor\$1 or sensing))	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/20 10:20
83	301	(amplif\$5 with voltage\$1) and ((offset\$4 or (off adj set\$5) or (window adj comparator\$1))) and (range or ranges) and ((adder\$1 or adding or addition) with subtract\$4 with voltage\$1)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/20 10:21
82	19	(amplif\$5 with voltage\$1) and ((offset\$4 or (off adj set\$5) or (window adj comparator\$1))) and (range or ranges) and ((adder\$1 or adding or addition) with subtract\$4 with voltage\$1) and (pressure\$1 with (detect\$4 or sensor\$1 or sensing))	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/20 11:19
84	360	(702/104).CCLS.	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/20 11:18
85	30	((702/104).CCLS.) and (amplif\$5 with voltage\$1) and ((offset\$4 or (off adj set\$5) or (window adj comparator\$1))) and (range or ranges)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/20 11:55
86	15	"3643507"	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/20 11:56
87	12	"4478527"	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/20 11:57
88	15	"4763973"	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/20 11:57
89	12	4763973.URPN.	USPAT	2004/04/20 12:14
90	4998	(physical adj quantit\$3) and (range or ranges)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/20 12:19
91	54	(physical adj quantit\$3) and (range or ranges) and ((offset\$4 or (off adj set\$5) or (window adj comparator\$1))) and (range or ranges) and (voltage\$1 with subtract\$4)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/20 12:54
92	5	(physical adj quantit\$3) and (range or ranges) and (window adj comparator\$1) and (range or ranges) and (voltage\$1 with subtract\$4)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/20 13:23

93	126	(physical adj quantit\$3) and (range or ranges) and (range or ranges) and (voltage\$1 with subtract\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 12:56
95	26	(physical adj quantit\$3) and ((predetermin\$3 or (pre adj determin\$3)) near (range or ranges)) and (voltage\$1 with subtract\$4) and (range or ranges)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:19
96	1	(physical adj quantit\$3) and ((predetermin\$3 or (pre adj determin\$3)) near (range or ranges)) and subtract\$4 and (range or ranges) and (current\$1 with consum\$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:14
97	2	"6598484"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:21
98	2	"6657423"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:22
99	1	"6724202"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:25
100	3	"6518880"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:23
101	31	(physical adj quantit\$3) and ((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges)) and (voltage\$1 with subtract\$4) and (range or ranges)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:27
102	1177	((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges)) and (voltage\$1 with subtract\$4) and (range or ranges)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:35
103	86	((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges)) and (voltage\$1 with subtract\$4) and (range or ranges) and (current\$1 with consum\$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:51
104	365	((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges)) and (voltage\$1 with subtract\$4) and (range or ranges) and modulat\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:51
105	151	((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges)) and (voltage\$1 with subtract\$4) and (range or ranges) and (modulat\$6 with voltage\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:52
107	111	((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges)) and (voltage\$1 with subtract\$4) and (range or ranges) and (modulat\$6 with voltage\$1) and (position\$1 or velocit\$3 or acceleration\$1 or angle\$1 or (angular adj speed\$1) or (angular adj acceleration\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:54

109	124	((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges)) and (voltage\$1 with subtract\$4) and (range or ranges) and (modulat\$6 with voltage\$1) and (position\$1 or velocit\$3 or acceleration\$1 or angle\$1 or (angular adj speed\$1) or (angular adj acceleration\$1) or temperature\$1 or pressure\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:59
110	35	((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges)) and (voltage\$1 with subtract\$4) and (range or ranges) and (modulat\$6 with voltage\$1) and (position\$1 or velocit\$3 or acceleration\$1 or angle\$1 or (angular adj speed\$1) or (angular adj acceleration\$1) or temperature\$1 or pressure\$1) and (ecu\$1 or (control adj unit\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:28
111	105	(702/98).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:27
112	429	(702/85).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:27
113	314	(702/94).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:28
114	65	(702/96).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 15:27
115	175	(702/99).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 15:33
116	14	((702/98).CCLS.) and ((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:29
117	40	((702/85).CCLS.) and ((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:30
120	20	((702/99).CCLS.) and ((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 15:27
119	13	((702/96).CCLS.) and ((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 15:24
118	27	((702/94).CCLS.) and ((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:30
171	266	(73/1.01).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 15:24

172	225	(73/1.37).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 15:24
173	10	((73/1.01).CCLS.) and ((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 15:25
174	12	((73/1.37).CCLS.) and ((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 15:25
175	115	(702/105).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 15:27
176	14	((702/105).CCLS.) and ((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 15:33
177	360	(702/104).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 15:33
178	32	((702/104).CCLS.) and ((predetermin\$3 or (pre adj determin\$3)) near2 (range or ranges))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 15:33
-	82	MAKINO-YASUAKI	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:16
-	106	IKUTA-TOSHIO	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:17
-	22	MAKINO-YASUAKI and (range\$1 or ranging)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:28
-	3	MAKINO-YASUAKI and (range\$1 or ranging) and (offset\$4 or (off adj set\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:32
-	3	(MAKINO-YASUAKI and (range\$1 or ranging)) and (offset\$4 or (off adj set\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:29
-	25	IKUTA-TOSHIO and (range\$1 or ranging)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:28
-	4	(IKUTA-TOSHIO and (range\$1 or ranging)) and (offset\$4 or (off adj set\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:31

	60042	denso.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:31
	289	denso.asn. and (range\$1 or ranging) and (offset\$4 or (off adj set\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:33
	14	denso.asn. and (range\$1 or ranging) and (offset\$4 or (off adj set\$5)) and adder	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:33
	167	denso.asn. and (range\$1 or ranging) and (offset\$4 or (off adj set\$5)) and (adder or addition\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:34
	43	denso.asn. and ((range\$1 or ranging) with volt\$5) and (offset\$4 or (off adj set\$5)) and (adder or addition\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:54
	4791	((range\$1 or ranging) with volt\$5) and ((offset\$4 or (off adj set\$5)) with (adjust\$5 or correct\$4 or compensat\$5)) and (adder\$1 or addition\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:56
	440	((range\$1 or ranging) with volt\$5) and ((offset\$4 or (off adj set\$5)) with (adjust\$5 or correct\$4 or compensat\$5)) and ((adder\$1 or addition) with subtract\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/19 14:57
	124	((range\$1 or ranging) with volt\$5) and ((offset\$4 or (off adj set\$5)) with (adjust\$5 or correct\$4 or compensat\$5)) and ((adder\$1 or addition) with subtract\$4) and (determin\$6 with (range\$1 or ranging))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 09:24

10602816 QUAL

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4763973 99
4969113 99
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6358608 80
6395149 80

10602816_LIST

PLUS Search Results for S/N 10602816, Searched April 20, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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Most Frequently Occurring Classifications of Patents Returned
From A Search of 10602816 on April 20, 2004

Original Classifications

4	428/1.1
2	250/227.23
2	385/12
2	428/362

Cross-Reference Classifications

4	252/299.01
4	349/86
4	349/88
4	349/92
3	349/89
2	374/205
2	428/402.2
2	706/900

Combined Classifications

4	252/299.01
4	349/86
4	349/88
4	349/92
4	428/1.1
3	250/227.23
3	349/89
3	385/12
2	356/477
2	374/205
2	385/8
2	428/362
2	428/402.2
2	706/900

10602816 CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

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From A Search of 10602816 on April 20, 2004

4 252/299.01 (0 OR, 4 XR)

Class 252 : COMPOSITIONS

252/299.01 LIQUID CRYSTAL COMPOSITIONS

4 349/86 (0 OR, 4 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS

349/56 PARTICULAR STRUCTURE

349/84 .Having significant detail of cell structure
only

349/86 ..Microencapsulated or polymer dispersed liquid
d
crystal

4 349/88 (0 OR, 4 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS

349/56 PARTICULAR STRUCTURE

349/84 .Having significant detail of cell structure
only

349/86 ..Microencapsulated or polymer dispersed liquid
d
crystal

349/88 ...Polymer network liquid crystal

4 349/92 (0 OR, 4 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS

349/56 PARTICULAR STRUCTURE

349/84 .Having significant detail of cell structure
only

349/86 ..Microencapsulated or polymer dispersed liquid
d
crystal

349/92 ...Formed by particular technique

4 428/1.1 (4 OR, 0 XR)

Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES

428/1.1 LIQUID CRYSTAL OPTICAL DISPLAY HAVING LAYER OF
SPECIFIED COMPOSITION

3 250/227.23 (2 OR, 1 XR)

Class 250 : RADIANT ENERGY

250/200 PHOTOC CELLS; CIRCUITS AND APPARATUS

250/216 .Optical or pre-photocell system

250/227.11 ..Light conductor

10602816 CLSTITLES
250/227.23 ...With spectral frequency/wavelength
discrimination

3 349/89 (0 OR, 3 XR)
Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
349/56 PARTICULAR STRUCTURE
349/84 .Having significant detail of cell structure
only
349/86 ..Microencapsulated or polymer dispersed liqui
d
crystal
349/89 ...With particular encapsulating medium

3 385/12 (2 OR, 1 XR)
Class 385 : OPTICAL WAVEGUIDES
385/12 OPTICAL WAVEGUIDE SENSOR

2 356/477 (1 OR, 1 XR)
Class 356 : OPTICS: MEASURING AND TESTING
356/450 BY LIGHT INTERFERENCE (E.G., INTERFEROMETER)
356/477 .Using fiber or waveguide interferometer

2 374/205 (0 OR, 2 XR)
Class 374 : THERMAL MEASURING AND TESTING
374/100 TEMPERATURE MEASUREMENT (E.G., THERMOMETER)
374/187 .Mechanical (e.g., expansion or contraction of
materials)
374/205 ..Compound sensing element (e.g., bimetallic)

2 385/8 (1 OR, 1 XR)
Class 385 : OPTICAL WAVEGUIDES
385/4 DIRECTIONAL OPTICAL MODULATION WITHIN AN
OPTICAL WAVEGUIDE
385/8 .Electro-optic

2 428/362 (2 OR, 0 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/357 COATED OR STRUCTUALLY DEFINED FLAKE, PARTICLE,
CELL, STRAND, STRAND PORTION, ROD, FILAME
NT, MACROSCOPIC
FIBER OR MASS THEREOF
428/359 .Staple length fiber
428/362 ..Nonlinear (e.g., crimped, coiled, etc.)

2 428/402.2 (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/357 COATED OR STRUCTUALLY DEFINED FLAKE, PARTICLE,

10602816 CLSTITLES
CELL, STRAND, STRAND PORTION, ROD, FILAME
NT, MACROSCOPIC
FIBER OR MASS THEREOF
428/402 .Particulate matter (e.g., sphere, flake, etc.
)
428/402.2 ..Microcapsule with fluid core (includes
liposome)
2 706/900 (0 OR, 2 XR)
Class 706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE
706/900 FUZZY LOGIC

about 3
above 2
abstract 1
acceleration 1
accompanying 1
accordance 3
according 12
accordingly 1
accuracy 4
accurately 2
adder 1
addition 4
adjustment 4
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amplifies 3
and 48
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art 3
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belongs 1
between 6
both 8
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calculates 4
can 6
cannot 2
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case 1
change 10
circuit 36
comparatively 3
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consumption 5
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controls 1
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corresponds 4
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determination 5
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determining 2
device 25
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electronic 2
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equipment 15
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fine 6
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following 1
for 11
fourth 1

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further 3
graph 3
ground 2
quantity 1
harness 2
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having 4
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herein 1
high 1
home 1
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incorporated 1
increase 1
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initial 4
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inputted 1
invention 10
irst 5
japanese 1
july 1
large 10
linear 1
low 1
made 1
means 1
measurement 35
method 2
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much 1
necessitates 1
next 1
not 2
object 2
objects 1
offset 6
one 2

only 2
operates 3
other 1
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predetermined 5
preferably 8
preferred 1
present 8
pressure 14
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ranges 4
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related 4
relates 1
relationship 3
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resolution 1
respectively 2
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sensing 12
sensor 13
set 5
showing 10
shown 5
signal 4
similarly 1
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source 2

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substantially 2
subtracted 20
subtracting 1
subtracts 2
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supplied 3
supplies 1
supplying 1
switching 4
temperature 1
terminal 6
that 13
the 190
then 1
therefore 2
thin 1
third 2
this 2
three 1
threshold 1
through 2
thus 2
unit 6
units 3
using 1
variable 2
view 1
voltage 44
when 3
where 1
which 4
wide 3
will 1
window 2
wire 2
with 6
without 2